

1971 Engineering Open House
March 12, 10:00 a.m. to 8:00 p.m.
March 13, 9:00 a.m. to 3:00 p.m.

Program for 1971 EOH

General information on exhibits and maps of the campus will be available at the following Information Tables:

Society of Women Engineers Information Table, Room 160 Electrical Engineering Building

Sigma Tau Information Table, Lobby of Mechanical Engineering Building

Information Table, West Entrance of Aero Lab B

No guided tours are available at this year's Engineering Open House. Feel free to start at any one of the Engineering Buildings and see all of the exhibits in any order you choose.

Mr. Henry Pringham, Automotive Engineer for Ford Motor Company and former Grand Prix race driver, will be this year's Engineering Open House guest speaker. Mr. Pringham's topic will be "Technical Contributions of the Grand Prix Racing Car." This speech is open to everyone attending Open House and will be held at 4:00 p.m. on Friday, March 12, in 151 Physics Building.

Aeronautical Engineering

Aero Lab B - Enter through West Doors

Exhibits:

- Propulsion Engineering (Ramjet and Jet Engine)
- Tyton 3C (1/8 Scale)
- Subsonic Flight Studies
- Analog Computer Simulation
- Supersonic Flow Studies
- Solid Propellant Rocketry

Agricultural Engineering

Agricultural Engineering Building - Transportation to the Ag Building will leave from and return to the Electrical Engineering Building every half hour.

Agricultural Engineering - cont.

Exhibits:

Working Environment for the Tractor Operator
Improving the Environment through the Treatment of Livestock Wastes
"Catfish Barn" - Commercial Catfish Production
Sedimentation in the New Plastic Drain Tile
Methods of Reducing Nitrate Pollution in the Soil
Equilibrium Moisture Content and Specific Heat of Soybeans
Physical Properties of Corn
Reducing Noise in Engine Cooling Fan Operation
Electric Heat Drying of Grain
Recovery of Proteinaceous Solids for Feeding
Automated Individual Grain Feeding System for Dairy Cows

Ceramic Engineering

Ceramic Engineering Building

Exhibits:

Display cases along first floor corridor.

Chemical Engineering

East Chemistry Building

Exhibits:

Unit Operation Lab
Process Control Lab
Unit Optics Lab
Distillation Column
Gas Absorption Unit
Stir Tank Reactor
Chem Pop

Civil Engineering

Railway Engineering

ICRR side tracks - Bus transportation will leave from west side of Electrical Engineering Building to the tracks and back every half hour.

Exhibits:

ICRR Equipment: Engine, Caboose, Passenger Cars, Freight Cars and Maintenance Equipment

Computer Science

Digital Computer Lab - Enter Springfield Avenue entrance for self-guided tour of the facilities.

Electrical Engineering

Electrical Engineering Building - Maps will be available in room 160 EEB.

Exhibits:

WPGU Student Radio Station, 132 EEB
Undergraduate Solid State Lab, 133 EEB
Electronic Mouse, 134 EEB
Electrical Engineering Movies, 141 EEB

Electrical Engineering - Exhibits - cont.

IEEE Psychedelic Light Show, 131 EEB
Telsa Coil, Jacob's Ladder, H₂O Generator, 161 EEB
Ionospheric Rocket Probe, 170 EEB
Satellite Tracking, 251 EEB
HKN - SWE Tours Information, 160 EEB
Magnetic Cannon, Outside
Plasma Torch, 238 EEB
WAYH, 246 EEB
Magnetic Skillet, 254 EEB
Anti-Gravity Servomechanism, 257 EEB
Hologram Exhibit, 260 EEB
Flame Speaker, 241 EEB
Electronic Chess, 234 EEB
Static Electricity, 248 EEB
Analog Computer, 261 EEB
Strength Testor, 170 EEB
Electronic Music, 269 EEB
G-20 Plotter and Computer
Electronic Properties of Nerves, 252 EEB
IEEE Freshman Seminar, 50H EEB
Radio Astronomy, 236 EEB
Doppler Radar, 250 EEB
Visible Speech, Chopped Speech, 169 EEB

Engineering Mechanics

Talbot Lab

Exhibits:

Concrete Breaking Machine with Three Million Pound Testing Machine
Holography Display

General Engineering

Transportation Building - Rooms 113, 114, 201, 202, 203 and 215

Exhibits:

G.E. 104 - Design: Strip Mining Operation
Engineering History
Engineering Law
Computer Graphics
Technical Movies
Hospitality Room - Student Lounge, Room 215
Illinois Power Company Exhibit

Mechanical and Industrial Engineering

Mechanical Engineering Building

Exhibits:

AIIE Coaster Factory, 217 MMB
Pi Tau Sigma Exhibit on Environmental Studies
Automobile Pollution Measurement, 111 MEB
ASME Student Projects

Metallurgy and Mining Engineering

Metallurgy and Mining Building

Exhibits:

Display cases along first floor corridor.

Nuclear Engineering

Physics Building Lobby - Northwest Entrance

Exhibits:

Commonwealth Edison Power Company Exhibit

Play Reactor Illustrating Basic Reactor Principles

Poster Display on Evolution of Power; Radiation and Environment

Guided Tours of Nuclear Reactor will originate here.

Physics

Physics Building

Exhibits:

Lecture on Fundamentals of Nuclear Reactors - Scheduled on the half hour

Bubble Raft

Streamer Chamber

Smoke Pollution Detector

Hologram Display

Laser Demonstration

Lab Demonstrations of exercises done in 100 Level Physics Courses

Exhibit from Argonne National Laboratory on Pollution